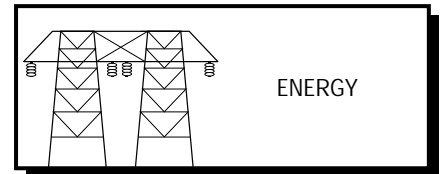
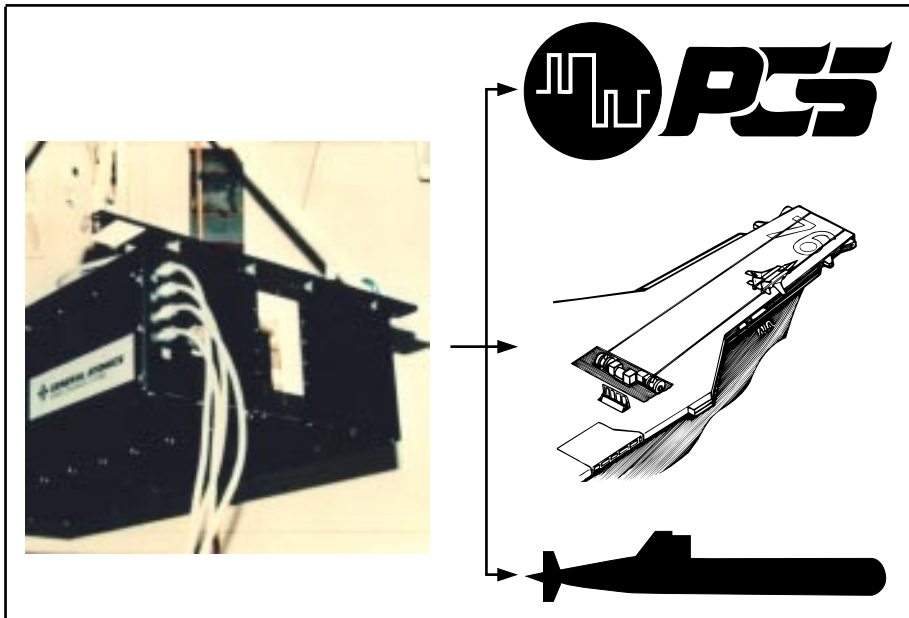


design work aimed at improving Navy aircraft carriers. Although much work remains to be done, the high degree of control inherent in PCUs holds the promise for launch catapults that are superior to the existing steam-driven units. While the pulsed electrical power needed for an individual launch approaches the billion-watt level, the PCUs can tailor the power surge to match different types of aircraft or last-second changes in winds and waves.

The application of PCUs to transportation needs is being carried out by Power Conversion Systems (PCS), a small company spun off by General Atomics to commercialize the PCU technology. PCS has built a prototype unit to transportation specifications. Production units will be supplied to the Urban Transportation Development Corporation of Canada for use in its Advanced Light Rail Transit Mark II railroad cars.



ENERGY



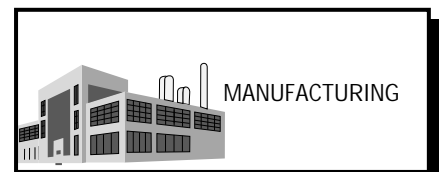
ENVIRONMENT



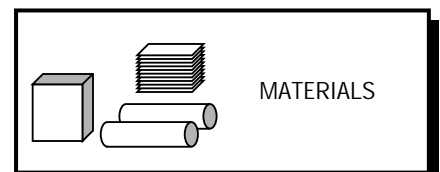
DEFENSE



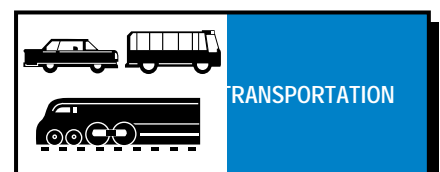
AEROSPACE



MANUFACTURING



MATERIALS

COMPUTING
AND
ELECTRONICSHEALTH
AND
MEDICINE

TRANSPORTATION